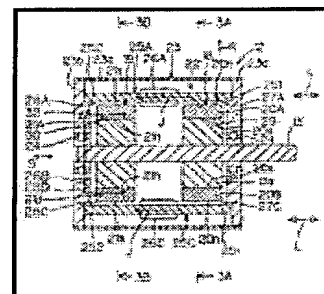


**(WO/2005/008864) STEERING DEVICE FOR VEHICLE**[Biblio. Data](#)[Description](#)[Claims](#)[National Phase](#)[Notices](#)[Documents](#)**Latest bibliographic data on file with the International Bureau****Publication Number:** WO/2005/008864**International Application No.:** PCT/JP2004/010975**Publication Date:** 27.01.2005**International Filing Date:** 22.07.2004**Int. Class.:** H02K 21/14 (2006.01), H02K 21/24 (2006.01)**Applicants:** KOYO SEIKO CO., LTD. [JP/JP]; 5-8, Minamisemba 3-chome, Chuo-ku, Osaka-shi, Osaka 5420081 (JP) (*All Except US*).UENO, Hiroshi [JP/JP]; c/o KOYO SEIKO CO., LTD., 5-8, Minamisemba 3-chome, Chuo-ku, Osaka-shi, Osaka 5420081 (JP) (*US Only*).**Inventor:** UENO, Hiroshi [JP/JP]; c/o KOYO SEIKO CO., LTD., 5-8, Minamisemba 3-chome, Chuo-ku, Osaka-shi, Osaka 5420081 (JP).**Agent:** INAOKA, Kosaku; c/o AI ASSOCIATION OF PATENT AND TRADEMARK ATTORNEYS, Sun Mullion NBF Tower, 21st Floor, 6-12, Minamihommachi 2-chome, Chuo-ku, Osaka-shi, Osaka 5410054 (JP).**Priority Data:** 2003-200687 23.07.2003 JP**Title:** STEERING DEVICE FOR VEHICLE

**Abstract:** A steering device (1) for a vehicle, comprising an electric motor (12) for generating steering supporting force. The electric motor (12) further comprises two rotors (18, 19) and a stator (22). The stator (12) further comprises a plurality of cores (25A to 25D) longer in a direction parallel with the axial direction of a rotating shaft. A current is allowed to flow in coils (26A to 26D) wound on the cores (25A to 25D) to form magnetic poles. Magnetic flux interlinking the coils to each other is formed in the longitudinal direction (L) of the cores.



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